1st Lesson For GR 3

Multiplication

4 by 3 equal = 12

- **4** is **Multiplicand**
- **3** is **Multiplier**
- **12** is **Product**

- Multiplicand is First number
- Multiplier is second number after × Sign
- After = is Product

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- After = is Product

A Choose the correct answer:

1. In 4 × 3 = 12, the Multiplicand is:
   - a) 12
   - b) 3
   - c) 4

2. In 5 × 2 = 10, the Multiplier is:
   - a) 5
   - b) 2
   - c) 10

3. In 6 × 4 = 24, the Product is:
   - a) 6
   - b) 4
   - c) 24

B Complete:

4. 7 × 3 = 21

7 is the _____.

3 is the _____.

21 is the _____.

5. 8 × 2 = 16

The Multiplicand is _____.

The Multiplier is _____.

The Product is _____.

6. Complete the sentence:

The Multiplicand is the _____ number.

The Multiplier is the _____ number after the × sign.

The number after = is the _____.

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Property (1):

Add or subtract one from multiplier

$$\underset{\text{Multiplicand}}{3} \times \underset{\text{Multiplier}}{6} = \underset{\text{Product}}{18}$$

Add 1 to the multiplier:

➜ When the multiplier increased by 1, the answer increases by the multiplicand.

EXAMPLES:

- $7 \times 4 = 7 + 7 + 7 + 7 = 28$
- $7 \times 5 = 7 + 7 + 7 + 7 + 7 = 35$

So,
7×5 is increased than 7×4 by 7
Then,
$7 \times 5 = 7 \times 4 + 7$

Subtract 1 from the multiplier:

➜ When the multiplier decreased by 1, the answer decreases by the multiplicand.

EXAMPLES:

- $8 \times 6 = 8 + 8 + 8 + 8 + 8 + 8 = 48$
- $8 \times 5 = 8 + 8 + 8 + 8 + 8 = 40$

So,
8×5 is decreased than 8×6 by 8
Then,
$8 \times 5 = 8 \times 6 - 8$

Rule: The multiplicand is fixed, only the multiplier changes by adding or subtracting 1.

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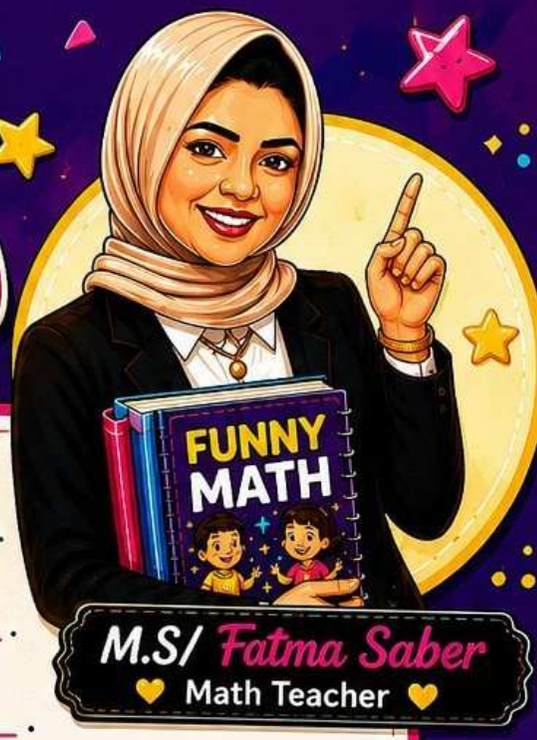
COMPLETE!

Fill in the blank to complete each sentence.



M.S/ Fatma Saber
Math Teacher

1. 3 x 4 is increased than 3 x 3 by ____.
2. 2 x 6 is increased than 2 x 5 by ____.
3. 4 x 6 is increased than 4 x 5 by ____.
4. 8 x 8 is increased than 8 x 7 by ____.
5. 4 x 9 is decreased than 4 x 8 by ____.
6. 3 x 5 is decreased than 3 x 6 by ____.
7. 1 x 7 is decreased than 1 x 8 by ____.
8. 2 x 4 is decreased than 2 x 5 by ____.
9. 5 x 7 is increased than 5 x 6 by ____.
10. 6 x 3 is increased than 6 x 2 by ____.
11. 7 x 4 is decreased than 7 x 5 by ____.
12. 9 x 3 is increased than 9 x 2 by ____.
13. 3 x 9 is decreased than 3 x 10 by ____.
14. 4 x 7 is increased than 4 x 6 by ____.
15. 2 x 8 is decreased than 2 x 9 by ____.
16. 5 x 5 is increased than 5 x 4 by ____.
17. 8 x 6 is decreased than 8 x 7 by ____.
18. 6 x 9 is increased than 6 x 8 by ____.

You've Got This!
Keep Going & Be Amazing!

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How much?

1. How much is 2 × 5 greater than 2 × 4? _____
2. How much is 3 × 5 smaller than 3 × 6? _____
3. How much is 4 × 6 greater than 4 × 5? _____
4. How much is 5 × 7 smaller than 5 × 8? _____
5. How much is 6 × 5 greater than 6 × 4? _____
6. How much is 7 × 6 smaller than 7 × 7? _____

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COMPLETE!

Fill in the blank to complete each equation.

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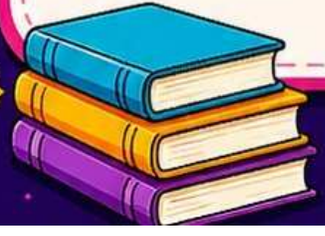
Math Teacher

1. $5 \times 2 = 5 \times 1 + ___$
2. $8 \times 3 = 8 \times 2 + ___$
3. $6 \times 4 = 6 \times 3 + ___$
4. $9 \times 7 = 9 \times 6 + ___$
5. $10 \times 5 = 10 \times 4 + ___$
6. $5 \times 5 = 5 \times 4 + ___$
7. $3 \times 9 = 3 \times 8 + ___$
8. $7 \times 8 = 7 \times 7 + ___$
9. $6 \times 6 = 6 \times 5 + ___$
10. $4 \times 8 = 4 \times 7 + ___$
11. $9 \times 6 = 9 \times 5 + ___$
12. $2 \times 7 = 2 \times 6 + ___$
13. $9 \times 8 = 9 \times 9 - ___$
14. $3 \times 5 = 3 \times 6 - ___$
15. $2 \times 7 = 2 \times 8 - ___$
16. $1 \times 9 = 1 \times 10 - ___$
17. $4 \times 6 = 4 \times 7 - ___$
18. $5 \times 10 = 5 \times 11 - ___$
19. $1 \times 4 = 1 \times 5 - ___$
20. $2 \times 2 = 2 \times 3 - ___$
21. $7 \times 6 = 7 \times 7 - ___$
22. $2 \times 3 = 2 \times 4 - ___$
23. $8 \times 7 = 8 \times 8 - ___$
24. $3 \times 6 = 3 \times 7 - ___$
25. $6 \times 9 = 6 \times 10 - ___$



You Can Do It!
Keep Practicing & Keep Smiling!

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Let's practice

Note

In ⊕ we subtract 1 from Multiplier

In ⊖ we Add 1 From Multiplier

1) Choose.

1. $6 \times 4 = 6 \times \ldots\ldots + 6$
   (A) 3 (B) 5 (C) 2
2. $8 \times 5 = 8 \times \ldots\ldots + 8$
   (A) 4 (B) 6 (C) 3
3. $7 \times 3 = 7 \times \ldots\ldots + 7$
   (A) 4 (B) 2 (C) 1
4. $9 \times 6 = 9 \times \ldots\ldots + 9$
   (A) 7 (B) 5 (C) 6
5. $5 \times 7 = 5 \times \ldots\ldots + 5$
   (A) 6 (B) 8 (C) 4
6. $4 \times 8 = 4 \times \ldots\ldots + 4$
   (A) 9 (B) 7 (C) 5
7. $3 \times 9 = 3 \times \ldots\ldots + 3$
   (A) 10 (B) 8 (C) 4
8. $2 \times 6 = 2 \times \ldots\ldots + 2$
   (A) 7 (B) 5 (C) 8
9. $7 \times 5 = 7 \times \ldots\ldots + 7$
   (A) 6 (B) 4 (C) 3
10. $8 \times 2 = 8 \times \ldots\ldots + 8$
    (A) 3 (B) 1 (C) 4

2) Choose.

1. $6 \times 7 = 6 \times \ldots\ldots - 6$
   (A) 8 (B) 6 (C) 5
2. $8 \times 6 = 8 \times \ldots\ldots - 8$
   (A) 5 (B) 7 (C) 4
3. $9 \times 5 = 9 \times \ldots\ldots - 9$
   (A) 4 (B) 6 (C) 3
4. $7 \times 8 = 7 \times \ldots\ldots - 7$
   (A) 6 (B) 9 (C) 7
5. $5 \times 6 = 5 \times \ldots\ldots - 5$
   (A) 4 (B) 7 (C) 5
6. $4 \times 9 = 4 \times \ldots\ldots - 4$
   (A) 10 (B) 7 (C) 6
7. $3 \times 7 = 3 \times \ldots\ldots - 3$
   (A) 6 (B) 8 (C) 5
8. $2 \times 8 = 2 \times \ldots\ldots - 2$
   (A) 7 (B) 9 (C) 6
9. $7 \times 4 = 7 \times \ldots\ldots - 7$
   (A) 3 (B) 5 (C) 2
10. $8 \times 3 = 8 \times \ldots\ldots - 8$
    (A) 2 (B) 4 (C) 5

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Complete.

1) Complete.

1) $6 \times 5 = 6 \times 4 + \ldots\ldots$

2) $7 \times 3 = 7 \times 4 - \ldots\ldots$

3) $8 \times 6 = 8 \times 5 + \ldots\ldots$

4) $9 \times 4 = 9 \times 5 - \ldots\ldots$

5) $5 \times 7 = 5 \times 6 + \ldots\ldots$

6) $4 \times 8 = 4 \times 9 - \ldots\ldots$

7) $3 \times 6 = 3 \times 5 + \ldots\ldots$

8) $7 \times 9 = 7 \times 8 + \ldots\ldots$

9) $9 \times 5 = 9 \times 6 - \ldots\ldots$

10) $8 \times 8 = 8 \times 9 - \ldots\ldots$

2) Complete.

1) $7 \times 1 = \ldots\ldots \times \ldots\ldots$

2) $6 \times 1 = \ldots\ldots \times \ldots\ldots$

3) $8 \times 1 = \ldots\ldots \times \ldots\ldots$

4) $9 \times 1 = \ldots\ldots \times \ldots\ldots$

5) $5 \times 1 = \ldots\ldots \times \ldots\ldots$

6) $7 \times 2 = 7 \times 1 + \ldots\ldots$

7) $8 \times 2 = 8 \times 1 + \ldots\ldots$

8) $6 \times 2 = 6 \times 1 + \ldots\ldots$

9) $7 \times 2 = 7 \times 1 + \ldots\ldots$

10) $9 \times 2 = 9 \times 1 + \ldots\ldots$

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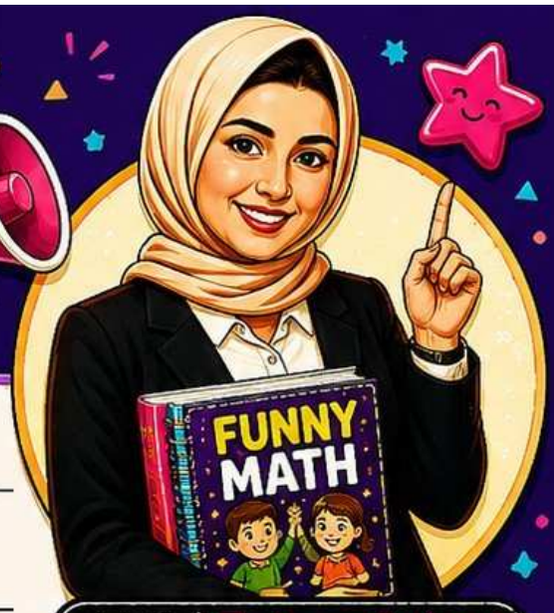
COMPLETE!

by using Commutative Property



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Math Teacher

1. 3 x 9 = ____ x ____
2. 2 x 8 = ____ x ____
3. 9 x 3 = ____ x ____
4. 5 x 6 = ____ x ____
5. 2 x ____ = 7 x ____
6. 4 x ____ = 9 x ____
7. 3 x ____ = 6 x ____
8. 10 x ____ = 5 x ____

9. 1 x 11 = _____ x 1
10. 3 x 12 = _____ x 3
11. 8 x 10 = _____ x 8
12. 6 x 7 = _____ x 6
13. _____ x 4 = 4 x 7
14. _____ x 5 = 5 x 8
15. _____ x 3 = 3 x 9
16. _____ x 2 = 2 x 6

17. 7 x 4 = ____ x ____
18. 4 x 2 = ____ x ____
19. 6 x 8 = ____ x ____
20. 3 x 5 = ____ x ____
21. 2 x 9 = ____ x ____
22. 1 x 7 = ____ x ____
23. 5 x 7 = ____ x ____
24. 4 x 8 = ____ x ____
25. 2 x 3 = ____ x ____
26. 9 x 6 = ____ x ____
27. 10 x 2 = ____ x ____
28. 7 x 10 = ____

You're a Math Star!
Keep Learning & Keep Shining!

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Distributive Property

BREAK APART TO MULTIPLY

GRADE 3

Write the missing numbers in the boxes.

Name: _____ Date: _____

1

8×3

$5 \times 3 = \square$

$\square \times 3 = \square$

A total of $\square$

2

7×4

$\square \times 4 = \square$

$2 \times 4 = \square$

A total of $\square$

3

6×5

$4 \times 5 = \square$

$\square \times 5 = \square$

A total of $\square$

4

9×6

$\square \times 6 = \square$

$2 \times 6 = \square$

A total of $\square$

5

8×7

$3 \times 7 = \square$

$\square \times 7 = \square$

A total of $\square$

6

6×8

$\square \times 8 = \square$

$3 \times 8 = \square$

A total of $\square$

7

9×9

$5 \times 9 = \square$

$\square \times 9 = \square$

A total of $\square$

8

7×6

$\square \times 6 = \square$

$1 \times 6 = \square$

A total of $\square$

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Distributive Property

BREAK APART THE MULTIPLIER

GRADE 3

Break apart the second number. Fill in the boxes.

Name: _____ Date: _____

1

3 × 8

3 × 5 = ☐

3 × ☐ = ☐

A total of ☐

2

4 × 7

4 × ☐ = ☐

4 × 2 = ☐

A total of ☐

3

5 × 6

5 × 4 = ☐

5 × ☐ = ☐

A total of ☐

4

6 × 9

6 × ☐ = ☐

6 × 2 = ☐

A total of ☐

5

7 × 8

7 × 3 = ☐

7 × ☐ = ☐

A total of ☐

6

8 × 6

8 × ☐ = ☐

8 × 3 = ☐

A total of ☐

7

9 × 9

9 × 5 = ☐

9 × ☐ = ☐

A total of ☐

8

6 × 7

6 × ☐ = ☐

6 × 1 = ☐

A total of ☐

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DISTRIBUTIVE PROPERTY

Use the **Distributive Property** to break apart one factor into two numbers.
Write the number sentence and solve.

1 **6 x 3**

Break apart: 3 = _____ + _____

6 x 3 = 6 x (_____ + _____)

= (_____ x _____) + (_____ x _____)

= _____ + _____ = ☐

2 **7 x 4**

Break apart: 4 = _____ + _____

7 x 4 = 7 x (_____ + _____)

= (_____ x _____) + (_____ x _____)

= _____ + _____ = ☐

3 **8 x 5**

Break apart: 5 = _____ + _____

8 x 5 = 8 x (_____ + _____)

= (_____ x _____) + (_____ x _____)

= _____ + _____ = ☐

4 **9 x 2**

Break apart: 2 = _____ + _____

9 x 2 = 9 x (_____ + _____)

= (_____ x _____) + (_____ x _____)

= _____ + _____ = ☐

5 **6 x 7**

Break apart: 7 = _____ + _____

6 x 7 = 6 x (_____ + _____)

= (_____ x _____) + (_____ x _____)

= _____ + _____ = ☐

6 **5 x 8**

Break apart: 8 = _____ + _____

5 x 8 = 5 x (_____ + _____)

= (_____ x _____) + (_____ x _____)

= _____ + _____ = ☐

7 **3 x 9**

Break apart: 9 = _____ + _____

3 x 9 = 3 x (_____ + _____)

= (_____ x _____) + (_____ x _____)

= _____ + _____ = ☐

8 **4 x 6**

Break apart: 6 = _____ + _____

4 x 6 = 4 x (_____ + _____)

= (_____ x _____) + (_____ x _____)

= _____ + _____ = ☐

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Game Score Challenge

MULTIPLY, COMPLETE & FIND THE TOTAL

Complete each table. Then write the sentence and answer.

Name: _____ Date: _____

1 The table shows Laila's score from the game.

Score (Points)	10	7	3	0	Total
Count (Balls)	2	3	1	4	10
Total Score (Points)	----------	----------	----------	----------	----------

a What is the total score for the 10-point throws?

Mathematical Sentence: _____ Answer: _____

b What is the total score for the 7-point throws?

Mathematical Sentence: _____ Answer: _____

c What is the total score for the 0-point throws?

Mathematical Sentence: _____ Answer: _____

d What is Laila's total score?

Mathematical Sentence: _____ Answer: _____

2 The table shows Omar's score from the game.

Score (Points)	10	8	5	0	Total
Count (Balls)	3	1	4	2	10
Total Score (Points)	----------	----------	----------	----------	----------

a What is the total score for the 8-point throws?

Mathematical Sentence: _____ Answer: _____

b What is the total score for the 5-point throws?

Mathematical Sentence: _____ Answer: _____

c What is the total score for the 0-point throws?

Mathematical Sentence: _____ Answer: _____

d What is Omar's total score?

Mathematical Sentence: _____ Answer: _____

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ONLINE MATH TEACHER

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COMPLETE!

Fill in the blanks by using Distributive Property.

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Math Teacher

1. $3 \times (4 + 5) = 3 \times 4 + 3 \times$ ____
2. $2 \times (6 + 7) = 2 \times 6 + 2 \times$ ____
3. $4 \times (3 + 8) = 4 \times 3 + 4 \times$ ____
4. $5 \times (2 + 9) = 5 \times 2 + 5 \times$ ____
5. $6 \times (7 + 1) = 6 \times 7 + 6 \times$ ____
6. $2 \times (8 + 3) = 2 \times 8 + 2 \times$ ____
7. $9 \times (3 + 6) = 9 \times 3 + 9 \times$ ____
8. $7 \times (5 + 4) = 7 \times 5 + 7 \times$ ____
9. $4 \times (6 + 2) = 4 \times 6 + 4 \times$ ____
10. $8 \times (2 + 7) = 8 \times 2 + 8 \times$ ____
11. $3 \times (9 + 2) = 3 \times 9 + 3 \times$ ____
12. $5 \times (4 + 6) = 5 \times 4 + 5 \times$ ____
13. $6 \times (3 + 7) = 6 \times 3 + 6 \times$ ____
14. $2 \times (5 + 8) = 2 \times 5 + 2 \times$ ____
15. $10 \times (1 + 6) = 10 \times 1 + 10 \times$ ____
16. $4 \times (7 + 5) = 4 \times 7 + 4 \times$ ____
17. $3 \times (2 + 9) = 3 \times 2 + 3 \times$ ____
18. $7 \times (8 + 1) = 7 \times 8 + 7 \times$ ____
19. $9 \times (4 + 3) = 9 \times 4 + 9 \times$ ____
20. $5 \times (6 + 7) = 5 \times 6 + 5 \times$ ____

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امسح الباركود بالموبيل لتثبيت التطبيق وتحميل كل الملازم مجانا وبسرعه

MR

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